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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/620,878

07/16/2003

Antoni Gil

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9103

22879

7590

10/26/2005

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

NGUYEN, LAMSON D

ART UNIT

PAPER NUMBER

2861

DATE MAILED: 10/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No.	Applicant(s)	
	10/620,878	GIL, ANTONI	
	Examiner	Art Unit	
	Lamson D. Nguyen	2861	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Restriction election dated 03/16/05.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,6,7,9-12,14-25 and 27-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-12,14-25 and 27-46 is/are allowed.
- 6) ☒ Claim(s) 1-3,6,7 and 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>07/16/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of claims 1-3, 6-7, 9-12, 14-25, and 27-46 in the reply filed on 03/16/05 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 6-7 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Kubota et al. (US2002/0051033).

Kubota et al teach a printhead assembly comprising:

Claim 1:

- a carrier (figure 10a, carrier block 45)
- a first plurality of printhead dies each mounted on the carrier and adapted to print a first color (figure 9, blocks 41-44B for printing black)
- a second plurality of printhead dies each mounted on the carrier and adapted to print a second color (figure 9, blocks 41Y-44Y for printing yellow)
- wherein each of the first plurality of printhead dies are offset from and partially overlap an adjacent one of the first plurality of printhead dies (figure 9, blocks 41-44B are overlapped to each other)

- wherein each of the second plurality of printhead dies are offset from and partially overlap an adjacent one of the second plurality of printhead dies (figure 9, blocks 41-44Y are overlapped to each other)

Claim 2:

- wherein one of the first plurality of printhead dies and one of the second plurality of printhead dies are offset and partially overlapped (figure 9, 41Y is offset and overlapped with 42B)

Claim 3:

- wherein at least one of the first plurality of printhead dies and at least one of the second plurality of printhead dies are aligned in a row (figure 7 teaches another embodiment where 31B and 32C are aligned in a row)

Claim 6:

- wherein the first plurality of printhead dies and the second plurality of printhead dies are mounted on a face of the carrier, and wherein the first plurality of printhead dies are substantially symmetrical with the second plurality of printhead dies about an axis oriented substantially perpendicular to the face of the carrier (figure 5)

Claim 7:

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- wherein the printhead assembly is substantially symmetrical about the axis oriented substantially perpendicular to the face of the carrier (figure 5)

Claim 9:

- wherein the first color includes one of black, cyan, light cyan, yellow, magenta, and light magenta, and the second color includes another of black, cyan, light cyan, yellow, magenta, and light magenta (figure 9 teaches first plurality of printhead blocks include black and second plurality of printhead blocks include yellow)

Allowable Subject Matter

Claims 10-12, 14-25 and 27-46 are allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


- Otsuki (US 2004/0021734) teach a printhead comprising dies of different colors
- Mitsuzawa (US 2004/0104965) teaches a multi-heads printer

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lamson D. Nguyen whose telephone number is 571-272-2259. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Talbott can be reached on 571-272-1934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



LAMSON NGUYEN
PRIMARY EXAMINER
10/22/05